PATENT COOPERATION TREATY

PCT

INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference 2050030KC	FOR FURTHER ACTION	see Form PCT/ISA/220 as well as, where applicable, item 5 below.
International application No. PCT/SG2005/000061	International filing date (day/month/y) 1 March 2005	(Earliest) Priority Date (day/month/year) 15 March 2004
Applicant - TINGGI TECHNOLOGIES PR	IVATE LIMITED et al	
Article 16. A copy is being transmitted to the	International Bureau.	thority and is transmitted to the applicant according to
This international search report consists of a to		
	of each prior art document cited in this	s report.
1. Basis of the report		
it was filed, unless otherwise indicated	under this item.	asis of the international application in the language in which
Authority (Rule 23.1(b)	<i>)</i> .	lation of the international application furnished to this
b. With regard to any nucleotide an	d/or amino acid sequence disclosed in	n the international application, see Box No. I.
2. Certain claims were found unse	archable (See Box No. II).	•
3. Unity of invention is lacking (Se	e Box No. III).	-
4. With regard to the title,		·
the text is approved as submitted	by the applicant.	
the text has been established by th	is Authority to read as follows:	
<i>;</i>		•
5. With regard to the abstract,		
X the text is approved as submitted b	by the applicant.	
one month from the date of mailing	rding to Rule 38.2(b), by this Authoric g of this international search report, su	by as it appears in Box No. IV. The applicant may, within abmit comments to this Authority.
6. With regard to the drawings,	•	
a. the figure of the drawings to be published	ed with the abstract is Figure No. 8	
X as suggested by the application	cant.	
as selected by this Author	ity, because the applicant failed to su	ggest a figure.
as selected by this Author	ity, because this figure better characte	erizes the invention.
b. none of the figures is to be published	ed with the abstract.	

INTERNATIONAL SEARCH REPORT

International application No.

PCT/SG2005/000061

		
A.	CLASSIFICATION OF SUBJECT MATTE	R
Int. Cl. 7:	H01L 33/00.	
According to	International Patent Classification (IPC) or to	both national classification and IPC
В	FIELDS SEARCHED	
Minimum docu	imentation searched (classification system follower	d by classification symbols)
Documentation	searched other than minimum documentation to t	he extent that such documents are included in the fields searched
DWPI and J.	base consulted during the international search (na APIO: LED, light emitting diode, H01L 3 tal, epilayer, epitaxial, roughen, remove	me of data base and, where practicable, search terms used) 3/-, reflect, layer, film, contact, electrode, ohmic, reflect, , texture
C.	DOCUMENTS CONSIDERED TO BE RELEVA	NT
Category*	Citation of document, with indication, when	re appropriate, of the relevant passages Relevant to claim No.
A	WO 2001/047039 A (LUMILEDS LIG	HTING US LLC) 28 June 2001
A	US 6 627 921 B (WONG et al) 30 Sept	ember 2003
E,A	US 6 821 804 B (THIBEAULT et al) 2:	3 November 2004
E,A	WO 2004/102686 A (CREE INC) 25 N	ovember 2004
A	Patent Abstracts of Japan, JP 2001-1683	387 A (TOYODA GOSEI CO LTD) 22 June
Fu	orther documents are listed in the continu	ation of Box C X See patent family annex
"A" document not consid	ategories of cited documents: defining the general state of the art which is "T" dered to be of particular relevance plication or patent but published on or after the "X"	conflict with the application but cited to understand the principle or theory underlying the invention
• •	nal filing date	or cannot be considered to involve an inventive step when the document is taken alone
or which i	which may throw doubts on priority claim(s) is cited to establish the publication date of tation or other special reason (as specified) referring to an oral disclosure, use, exhibition teans	document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
	published prior to the international filing date han the priority date claimed	
	completion of the international search	Date of mailing of the international search report
May 2005	·	1 2 MAY 2005
	g address of the ISA/AU	Authorized officer
PO BOX 200, W E-mail address: p	PATENT OFFICE ODEN ACT 2606, AUSTRALIA oct@ipaustralia.gov.au	S. T. PRING
acsimile No. (0	2) 6285 3929.	Telephone No: (02) 6283 2210

INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No. PCT/SG2005/000061

This Annex lists the known "A" publication level patent family members relating to the patent documents cited in the above-mentioned international search report. The Australian Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

Patent Document Cited in Search Report		Patent Family Member					
wo	2001/47039	AU	27389/01	DE	102 13 701	EP	1 161 772
		JР	2001-237458	JР	2002-335014	US	6 514 782
		US	6 573 537	•	•		
US	6 627 921	JР	2002076523	US	6 562 648	US	2003122141
US	6 821 804	AU	17905/01	ĀU	41391/01	CA	2 393 007
	•	CA	2393081	CN	1402880	CN	1423842
		EP	1 234 334	. EP	1 234 344	US	6 410 942
		US	6 657 236	US	2004041164	wo	2001/41219
	·	wo	2001/41225				
wo	2004/102686	US	2005029533				•
ЛР	2001-168387	JP .	2001-168386	US	6 531 719	US	6 623 998
•		US	2001050376	US	2003085411	. •	•

Due to data integration issues this family listing may not include 10 digit Australian applications filed since May 2001.

END OF ANNEX

INTERNATIONAL SEARCH REPORT

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International application No.

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wo	2001/47039	AU	27389/01	DE	102 13 701	EP	1 161 772
		JP	2001-237458	JР	2002-335014	US	6 514 782
		US	6 573 537	•	•		
US	6 627 921	JР	2002076523	US	6 562 648	US	2003122141
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•	•	CA	2393081	CN	1402880	CN	1423842
	•	EP	1 234 334	EP	1 234 344	US	6 410 942
	• •	US	6 657 236	US	2004041164	·wo	2001/41219
·	· · · · · · · · · · · · · · · · · · ·	wo	2001/41225	•		•	•
WO	2004/102686	US	2005029533			· ·	•
JP .	2001-168387	JР	2001-168386	US	6 531 719	US	6 623 998
	•	US	2001050376	US	2003085411		

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